

Serial No.:10/585,653

PF040002

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CENTRAL FAX CENTERListing and Amendments to the Claims

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Please rewrite claims 1, 3, 6-7 and 10-11.

1. (Currently Amended) A projection display device comprising:

- means of projecting an image onto a screen having an output axis called a main axis;
- the screen comprising at least one optical plate,
wherein the optical plate comprises:
 - on a first side, a first set of different optical elements designed to bend rays of a non-collimated beam received from said image projection means into a collimated beam of rays that are essentially parallel to a first direction in a plane containing the main axis,
 - on a second side, a second set of prismatic elements with identical section or a holographic device for bending said beam in a second direction different from the first direction.

2. (Previously Presented) The device as claimed in claim 1, wherein the second side comprises a second set of prismatic elements with identical section, at least some of the prismatic elements comprising a first side having an orientation such that the rays in the first direction are refracted in the second direction.

3. (Currently Amended) The device as claimed in claim 2, wherein at least some of the prismatic elements comprise a second side having a side that is essentially parallel to said a side of the first optical element in said plane.

4. (Previously Presented) The device as claimed in claim 1, wherein the second side includes a holographic device to bend the beam in the second direction.

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5. (Previously Presented) The device as claimed in claim 1, wherein said plate has symmetry of revolution about the main axis and in which the second direction is directed essentially in line with the main axis.
6. (Currently Amended) The device as claimed in claim 1, wherein the optical elements are designed to bend the rays of the non-collimated beam from the source by refraction.
7. (Currently Amended) The device as claimed in claim 1, wherein the optical elements of the first set each include a side designed to reflect the rays of the non-collimated beam from the source in the first direction.
8. (Previously Presented) The device as claimed in claim 1, wherein the first set of optical elements is designed to bend rays received from projection means into a beam of rays forming an angle less than or equal to 3° with the first direction.
9. (Previously Presented) The device as claimed in claim 1, wherein the second direction forms an angle greater than or equal to 10° with the first direction.
10. (Currently Amended) The display device as claimed in claim 1, wherein the projection means are such that the rays are received by the optical plate with orientations relative to the a general direction of the optical plate varying over a continuous range of non-zero orientations relative to the main axis and in which the first direction corresponds to one of the orientations of said continuous range.

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11. (Currently Amended) An optical plate for projection device comprising image projection means having an output axis called a main axis, wherein said plate comprises:

on a first side, a first set of different optical elements designed to bend rays received of a non-collimated beam from said projection means into a collimated beam of rays that are essentially parallel to a first direction in a plane containing the main axis,

on a second side, a second set of prismatic elements with identical section or a holographic device for bending said beam in a second direction different from the first direction.